

ENTERED



PCT

## RAW SEQUENCE LISTING

DATE: 02/11/2003

PATENT APPLICATION: US/09/914,220B

TIME: 07:31:50

Input Set : N:\jumbos\09914220B\ptoms.txt

Output Set: N:\CRF4\02112003\I914220B.raw

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3 <110> APPLICANT: Schulz Dr., Burkhard
5 <120> TITLE OF INVENTION: DNA sequence of a protein that is similar to FKBP
7 <130> FILE REFERENCE: SCU-001 PCT
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/914,220B
C--> 10 <141> CURRENT FILING DATE: 2001-08-22
12 <150> PRIOR APPLICATION NUMBER: DE 199 07 598.0
13 <151> PRIOR FILING DATE: 1999-02-22
15 <160> NUMBER OF SEQ ID NOS: 8
17 <170> SOFTWARE: PatentIn Ver. 2.1
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20 <211> LENGTH: 4010
21 <212> TYPE: DNA
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56 ttttggattg acacttgacac atttttattc agaccaggt tgatttggga aataatgat 1920
57 gaatctctgg agcatcaaac tcaaacacat ggtaagtaaa ttttcataga tttaatctct 1980
58 ctgaatacat atatatgact tcaatatgtt tgattggagt ttttttgttg tcccatattc 2040
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61 aactcctttt ctgtttgtta agaattgaga atgactattg ggggtgacta atgcatcttt 2220
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88 aaggcgatta gaagagagct acgagcactt gcagagcaag agaaagcctt gtaccaaag 3840
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102 catacttcac ccagggttgat ttgggaaata atggatgaat ctctggagca tcaaactcaa 180
103 acacatgacc aagagagcga aatagttact gaaggaagtg ccgttgtgca tagtggccat 240
104 ctcaagaggg taatgttctt cctaaagtgt atagtgaagc tgaggtcttg gatgagaaag 300
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108 tcggtgttgc tagcatgaag tctggtgaac gtgcgcttgt gcatgttggc tgggaattag 540
109 cttatgggaa agaaggaaac ttttcttttc ccaatgttcc acctatggca gacttgttat 600
110 atgaggtgga agttattggg tttgatgaaa caaaggaggg aaaagctcgc agtgatatga 660
111 ctgtagagga aaggattggt gcagcagaca gaagaaaaat ggatgggaat tctcttttta 720
112 agggaggagaa actggaggaa gccatgcaac agtatgaaat ggccatagca tacatggggg 780
113 acgattttat gtttcagctg tatgggaagt accaggatat ggcttttagca gttaaaaacc 840
114 catgccatct taacatagca gcttgccctca tcaaactaaa acgatacgat gaagcaattg 900
115 gtactgcaa cattgtgttg acagaagaag agaaaaaccc aaaagcactg ttcagaagag 960
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117 aaaagtatgc tcctgacgac aaggcgatta gaagagagct acgagcactt gcagagcaag 1080
118 agaaagcctt gtacaaaaag cagaaagaaa tgtacaaagg aatattcaaa gggaaagatg 1140
119 aaggtggtgc taagtcaaag agcctttttt ggttgatagt gttatggcaa tggtttgttt 1200
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136 Glu Gly Asn Val Pro Pro Lys Val Asp Ser Glu Ala Glu Val Leu Asp
137           35           40           45
139 Glu Lys Val Ser Lys Gln Ile Ile Lys Glu Gly His Gly Ser Lys Pro
140           50           55           60
142 Ser Lys Tyr Ser Thr Cys Phe Leu His Tyr Arg Ala Trp Thr Lys Asn
143           65           70           75           80
145 Ser Gln His Lys Phe Glu Asp Thr Trp His Glu Gln Gln Pro Ile Glu
146           85           90           95
148 Leu Val Leu Gly Lys Glu Lys Lys Glu Leu Ala Gly Leu Ala Ile Gly
149           100          105          110
151 Val Ala Ser Met Lys Ser Gly Glu Arg Ala Leu Val His Val Gly Trp
152           115          120          125
154 Glu Leu Ala Tyr Gly Lys Glu Gly Asn Phe Ser Phe Pro Asn Val Pro
155           130          135          140
157 Pro Met Ala Asp Leu Leu Tyr Glu Val Glu Val Ile Gly Phe Asp Glu
158           145          150          155          160
160 Thr Lys Glu Gly Lys Ala Arg Ser Asp Met Thr Val Glu Glu Arg Ile
161           165          170          175
163 Gly Ala Ala Asp Arg Arg Lys Met Asp Gly Asn Ser Leu Phe Lys Glu
164           180          185          190
166 Glu Lys Leu Glu Glu Ala Met Gln Gln Tyr Glu Met Ala Ile Ala Tyr
167           195          200          205
169 Met Gly Asp Asp Phe Met Phe Gln Leu Tyr Gly Lys Tyr Gln Asp Met
170           210          215          220

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173 225 230 235 240
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176 245 250 255
178 Leu Thr Glu Glu Glu Lys Asn Pro Lys Ala Leu Phe Arg Arg Gly Lys
179 260 265 270
181 Ala Lys Ala Glu Leu Gly Gln Met Asp Ser Ala Arg Asp Asp Phe Arg
182 275 280 285
184 Lys Ala Gln Lys Tyr Ala Pro Asp Asp Lys Ala Ile Arg Arg Glu Leu
185 290 295 300
187 Arg Ala Leu Ala Glu Gln Glu Lys Ala Leu Tyr Gln Lys Gln Lys Glu
188 305 310 315 320
190 Met Tyr Lys Gly Ile Phe Lys Gly Lys Asp Glu Gly Gly Ala Lys Ser
191 325 330 335
193 Lys Ser Leu Phe Trp Leu Ile Val Leu Trp Gln Trp Phe Val Ser Leu
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196 Phe Ser Arg Ile Phe Arg Arg His Arg Val Lys Ala Asp
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208 cagtagagga gagaattggg 140
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221 cgtgggagaac ttccacagga tgatgctggg ccgccaaaag ttgattcaga agtgggaagtc 300
222 ctccatgaaa aagtaaccaa gcaaattggt aaagaaggcc atggtcagaa gccatcaaaa 360
223 tacgcaacat gcttcgtgca ttacagggca tgggctgaaa gcacgcagca caagtttgaa 420
224 gatacatggc gtgagcaaca acctcttgag ctggttatag gaaaagagag aaaggaaatg 480
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227 gctgatgtat tgtatgaggt tgagttgatt ggcttcgatg agacaggaga aggaaaagca 660
228 cgaggtgaca tgacagtaga ggagagaatt gggacagcag atagaagaaa gatggatgga 720
229 aatgctttat ttaaggaaga gaaactggag gaagctatgc aacagtatga aatggccatt 780
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233 ttgttttagg gtggaaaagg taggtctata cttggtcaga ctgatgcagc tcgtgaggac 1020
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Input Set : N:\jumbos\09914220B\ptoms.txt

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249 20 25 30
251 Gly Glu Leu Pro Gln Asp Asp Ala Gly Pro Pro Lys Val Asp Ser Glu
252 35 40 45
254 Val Glu Val Leu His Glu Lys Val Thr Lys Gln Ile Val Lys Glu Gly
255 50 55 60
257 His Gly Gln Lys Pro Ser Lys Tyr Ala Thr Cys Phe Val His Tyr Arg
258 65 70 75 80
260 Ala Trp Ala Glu Ser Thr Gln His Lys Phe Glu Asp Thr Trp Arg Glu
261 85 90 95
263 Gln Gln Pro Leu Glu Leu Val Ile Gly Lys Glu Arg Lys Glu Met Thr
264 100 105 110
266 Gly Leu Ala Ile Gly Val Asn Ser Met Lys Ser Gly Glu Arg Ala Leu
267 115 120 125
269 Phe His Val Gly Trp Glu Leu Ala Tyr Gly Lys Glu Gly Asn Phe Ser
270 130 135 140
272 Phe Pro Asn Val Pro Pro Thr Ala Asp Val Leu Tyr Glu Val Glu Leu
273 145 150 155 160
275 Ile Gly Phe Asp Glu Thr Gly Glu Gly Lys Ala Arg Gly Asp Met Thr
276 165 170 175
278 Val Glu Glu Arg Ile Gly Thr Ala Asp Arg Arg Lys Met Asp Gly Asn
279 180 185 190
281 Ala Leu Phe Lys Glu Glu Lys Leu Glu Glu Ala Met Gln Gln Tyr Glu
282 195 200 205
284 Met Ala Ile Ala Tyr Met Gly Asp Asp Phe Met Phe Gln Leu Phe Gly
285 210 215 220
287 Lys Phe Arg Asp Met Ala Leu Ala Val Lys Asn Pro Cys His Leu Asn
288 225 230 235 240
290 Met Ala Ala Cys Leu Leu Lys Leu Gln Arg Tyr Asp Glu Ala Ile Ala
291 245 250 255
293 Gln Cys Ser Ile Val Leu Ala Glu Glu Asn Asn Val Lys Ala Leu
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296 Phe Arg Arg Gly Lys Ala Arg Ser Ile Leu Gly Gln Thr Asp Ala Ala
297 275 280 285
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312 <211> LENGTH: 776

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RAW SEQUENCE LISTING ERROR SUMMARY  
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Input Set : N:\jumbos\09914220B\ptoms.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; N Pos. 430,472  
Seq#:8; Xaa Pos. 102,116

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/914,220B

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Input Set : N:\jumbos\09914220B\ptoms.txt

Output Set: N:\CRF4\02112003\I914220B.raw

9 M:270 C: Current Application Number differs, Replaced Current Application Number  
10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:420  
383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:96  
341 Repeated in SeqNo=8